

PARTS LIST

- 10 – Portable system for analyzing human gait
- 12 – foot
- 13 - heel
- 14 – ankle
- 15 – sole of foot
- 16 – forefoot
- 17 – midfoot
- 18 – rearfoot
- 19 – lower shank
- 20 – first detachable motion tracking unit
- 22 – rearfoot motion collection and rate sensing unit (FMC)
- 24 – second detachable motion tracking unit
- 26 – lower shank motion collection and rate sensing unit (SMC)
- 30 – plantar pressure collection unit
- 32 – insole
- 34 – pressure sensor(s) (FSR)
- 36 – wire collection site
- 37 – protected output wires
- 38 – output pins
- 40 – processing and display unit (CPU)
- 41 – display unit casing
- 42 – plurality of components
- 44 – visual display
- 45 – plantor pressure unit
- 46 – gait line data
- 47 – rearfoot motion angle
- 48 – gait style identifier
- 49 – shoe life evaluator
- 50 - LCD
- 51 – start
- 53 – stop
- 55 – elapsed time display
- 57 – calibration unit
- 58 – LED
- 59 – buzzer
- 60 – input/output ports
- 61 – soft casing unit
- 62 – detachable sole cover
- 63 – detachable foot cover
- 64 – detachable shank cover
- 65 – releasable securement means.
- 72 – PPC unit
- 80 – micro-controller
- 81 – power supply

82 – central processing unit
83 – common ground
84 – device input controls & LCD output
85 – accelerometer(s)
86 – memory
87 – rate sensor(s)
89 – output lines
90 – I/O unit
91 – power supply
92 – telemetry unit
93 – common ground
95 – accelerometer(s)
97 – rate sensor(s)
99 – output lines